

SECTION 08310

ACCESS DOORS

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes
 - 1. Framed metal access doors as specified, indicated, or scheduled, with components as required for a complete installation.
- B. Related Work Specified In Other Sections:
 - 1. Masonry - Division 4.
 - 2. Gypsum Wallboard - Division 9.
 - 3. Access panels required by mechanical or electrical trades but not shown on the Drawings - DIVISIONS 15 AND 16.

1.2 SUBMITTALS

- A. Furnish submittals for items that are identified in this Section by a different typeface and a bracketed code (e.g., *Item [L]*). Refer to Division 1, General Requirements for definition of codes for types of submittals and the administrative requirements governing submittal procedure.
- B. Product Data: Submit product data for all metal access doors.

1.3 PROJECT SITE CONDITIONS

- A. Obtain specific locations and sizes for required access doors from trades requiring access to concealed equipment or accessories. Field verify existing openings for proper coordination and fit.

1.4 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. Wrap, carton, and crate as required to provide physical and climatic protection during loading, shipping and job site storage and handling.
- B. Deliver packaged materials to the project site in the manufacturer's original, unopened containers which bear intact, legible and visible labels that identify the manufacturer's name and brand name, the contents, grade and type.
- C. Upon delivery, immediately inspect shipments to assure their compliance with the requirements of the Contract Documents and approved submittals, and that products are complete, undamaged and adequately protected. Immediately report damaged, missing, or defective items. Remove broken, damaged or unlabeled items from the site immediately.

- D. Store products in accordance with manufacturer's instructions with seals and labels intact, legible, and visible. Store products in a manner to prevent damage, soiling, theft, deterioration and contamination. Marred surfaces, cracked, checked split or warped materials will be rejected. Store materials subject to damage by climatic conditions in weather tight enclosures. Maintain temperature and humidity within the ranges required or recommended by the manufacturer.
- E. Repair or clean items that have been damaged or soiled that can be restored to an "as new" condition at no cost to the Owner. The Owner's Representative shall be the judge of the effectiveness of remedial measures. Additional time or expenses required to secure replacements and to make repairs will not be considered by the Owner's Representative to justify an extension in the Contract time of completion or an increase in the Contract amount.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Metal Access Doors
 - 1. Rust-inhibitive painted steel units with flush metal doors, of sizes indicated. Provide units compatible with construction substrate.
 - 2. *Regular Type Metal Access Doors [P]*: With concealed spring hinge on door and (screw-driver operated cam latch) (key operated cylinder lock), for use in wall or ceiling construction not fire-rated.
 - a. Beaded Flange Drywall Access Doors for use in wall or ceiling non-fire rated gypsum board surfaces.
 - 1) J. L. Industries, Incorporated "WB Series".
 - 2) Karp Associates, Inc. "KDW Series".
 - 3) Larsen's Manufacturing Co. "L-DWC".
 - 4) Milcor, Inc. "DW".
 - 5) The Williams Bros. Corp. "WB-DW".

2.2 MATERIALS

- A. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M.
- B. Hot-Rolled Steel Sheets: ASTM A 569/A 569M, Commercial Steel (CS), Type B; free of scale, pitting, and surface defects; pickled and oiled; with minimum thickness indicated representing specified nominal thickness according to ASTM A 568/A 568M.
- C. Cold-Rolled Steel Sheets: ASTM A 366/A 366M, Commercial Steel (CS), or ASTM A 620/A 620M, Drawing Steel (DS), Type B; stretcher-leveled standard of flatness; with minimum thickness indicated representing specified nominal thickness according to ASTM A 568/A 568M. Electrolytic zinc-coated steel sheet, complying with ASTM A 591/A 591M, Class C coating, may be substituted at fabricator's option.

- D. Electrolytic Zinc-Coated Steel Sheet: ASTM A 591/A 591M, Commercial Steel (CS), with Class C coating and phosphate treatment to prepare surface for painting; with minimum thickness indicated representing specified nominal thickness according to ASTM A 568/A 568M for uncoated base metal.
- E. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B, with A60 (ZF180) zinc-iron-alloy (galvannealed) coating of G60 (Z180) mill-phosphatized zinc coating; stretcher-leveled standard of flatness; with minimum thickness indicated representing specified thickness according to ASTM A 924/A 924M.
- F. Stainless-Steel Sheet, Strip, Plate, and Flat Bars: ASTM A 666, Type 304; with minimum sheet thickness indicated representing specified thickness according to ASTM A 480/A 480M.
- G. Aluminum Sheet: ASTM B 209/B209M, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated, and with not less than strength and durability properties of alloy 5005-H15; with minimum thickness indicated representing specified thickness according to ANSI H35.2/H35.2M.
- H. Stainless-Steel Bars and Shapes: ASTM A 276, Type 304.
- I. Rolled-Steel Floor Plate: ASTM A 786/A 786M, rolled from plate complying with ASTM A 36/A 36M or ASTM A 283/A 283M, Grade C or D.
- J. Rolled-Stainless-Steel Floor Plate: ASTM A 793.
- K. Aluminum Extrusions: ASTM B 221 B 221M, alloy 6063-T6.
- L. Aluminum-Alloy Rolled Tread Plate: ASTM A 632/A 632M, alloy 6061-T6.
- M. Drywall Beads: Edge trim formed from 0.0299-inch zinc-coated steel sheet formed to receive joint compound and in size to suit thickness of gypsum board.
- N. Plaster Bead: Casing bead formed from 0.0299-inch [0.76-mm] zinc-coated steel sheet with flange formed out of expanded metal lath and in size to suit thickness of plaster.

2.3 FINISHES

- A. Shop Primers: Provide primers that comply with Division 9 Section "Painting."
- B. Shop Primer for Ferrous Metal: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with performance requirements in FS TT-P-664; selected for good resistance to normal atmospheric corrosion, compatibility with finish paint systems indicated, and capability to provide a sound foundation for field-applied topcoats despite prolonged exposure.
- C. Shop Primer for Metallic-Coated Steel: Organic zinc-rich primer complying with SSPC-Paint 20 and compatible with topcoat.

- D. Galvanizing Repair Paint: High-zinc-dust-content paint for regalvanizing welds in steel, complying with SSPC-Paint 20.

2.4 INSTALLATION

- A. Coordinate installation with work of other trades. Comply with manufacturer's instructions for installation.
- B. Set access doors accurately in position with face panels plumb, flush and level in relation to adjacent finish surfaces, and attach frames to supports.

2.5 FIELD QUALITY CONTROL

- A. Repair or clean items that have been damaged or soiled that can be restored to an "as new" condition at no cost to the Owner.
- B. After doors are installed, test-demonstrate in the presence of the Owner's Representative that the doors operate properly under all conditions. Lubricate hinges, latches and other moving parts. Adjust doors and hardware if tests show improper functioning.

END OF SECTION

Revision History	
Date	Rev. No.
A	0
B	0
C	0
D	0
E	0
F	0
02-19-09	0

DS/djo

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